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- (71) Applicant (for all designated States except US): ELI LILLY AND COMPANY [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): YAKUBU-MADUS, Fatima, Emitsel [NG/US]; 9303 Timberline Drive, Indianapolis, IN 46256 (US). STRAMM, Lawrence, E. [US/US]; 9143 Hadway Drive, Indianapolis, IN 46256 (US). JOHNSON, William, T. [US/US]; 1367 Maynard Drive, Indianapolis, IN 46227 (US). VIGNATI, Louis [US/US]; 5617 North Meridian Street, Indianapolis, IN 46208 (US).

- (74) Agent: MACIAK, Ronald, S.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US).
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(54) Title: SYNERGISTIC USE OF THIAZOLIDINEDIONES WITH GLUCAGON-LIKE PEPTIDE-1 AND AGONISTS THEREOF TO TREAT METABOLIC INSTABILITY ASSOCIATED WITH NON-INSULIN DEPENDENT DIABETES

(57) Abstract: Thiazolidinedione (TZD) and its pharmacologically active derivatives can be used, in combination with agonists of glucagon-like peptide-1 (GLP-1), to treat non-insulin dependent diabetes mellitus, optionally with other therapies, by improving glycemic control while minimizing side effects, such as heart hypertrophy and elevated fed-state plasma glucose, which are associated with both TZD and GLP-1 monotherapies. Thus, the co-administration of TZD and GLP-1 helps regulate glucose homeostasis in Type II diabetic patients.